

From: Dhammapala, Ranil (ECY)
 Sent: Monday, July 20, 2009 12:05 PM
 To: Newman, Alan (ECY)
 Cc: Burmark, Robert (ECY); Schneider, Douglas (ECY)
 Subject: RE: PT Paper BART determination
 Attachments:
 3yrs_of_PTPC_impacts_at_OlympicNP_basecase_Old_IMPROVE_17p
 pb_NH3.xls

Actually there's little to "undo". Here's the story:

- At the time, the new IMPROVE equation was applied only in the form of spreadsheet. It had not yet been included as an option in Calpost. For this spreadsheet only applied the new IMPROVE equation to the 22 highest values for each year.
- However the Calpost files supplied contained the delta-DV values calculated according to the old IMPROVE equation. So it was possible to ignore the mentioned spreadsheet and extract the data from the Calpost files. And they ran the same, older version of Calpost (V6.131, Level 060410) in their runs. This uses the old IMPROVE algorithm and does not give the choice.
- I wrote a script to go into the Calpost *.LST files for each year, to extract the delta-DVs for the whole year, not just the 22 highest days. Combine these with the delta-DVs for all 3 years and you end up with the attached table to analyze as necessary (it has two worksheets, one with daily data and another focusing only on the 22 highest delta-DV values each year).
- Do the same for the base case and control scenarios modeled with a 1 background.

Hope this helps

Ranil//

From: Newman, Alan (ECY)
 Sent: Monday, July 20, 2009 10:38 AM
 To: Dhammapala, Ranil (ECY)
 Cc: Burmark, Robert (ECY); Schneider, Douglas (ECY)
 Subject: PT Paper BART determination

Ranil, for this BART analysis you analyzed and reprocessed the model information from the company to extract the 17ppm modeling case and re-modeled results back to the original IMPROVE formula.

In order to support the analysis in the BART support Document, we need produce a full explanation of what you did and the results of that wor

The e-mail you sent us on 4/17/09 is a little weak on what you did and only covers the result.

A memo to Bob would be an excellent way to document what you did.

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